

In the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) Toothed belt for use in contact with oil and comprising a body and a number of teeth extending from at least one first surface of said body; said teeth being coated by a first fabric, said fabric being externally coated with a resistant layer, in which:

said resistant layer comprises a fluorinated plastomer, a first elastomeric material and a vulcanisation agent;

said fluorinated plastomer is present in said resistant layer in a larger quantity than said first elastomeric material;

said body comprises a compound based on a second elastomeric material formed of a copolymer obtained from a dienic monomer and a monomer containing nitrile groups;

said nitrile groups are in percentage between 33% and 49% in weight with respect to the weight of said copolymer;

wherein said toothed belt is adapted to operate in direct contact with oil or partially immersed in oil.

2. (Original) Toothed belt according to claim 1, characterised in that said nitrile groups are in percentage 39% in weight.

3. (Previously Presented) Toothed belt according to claim 1, characterised in that said second elastomeric material comprises hydrogenated butadiene acrylonitrile.

4. (Original) Toothed belt according to claim 3, characterised in that said hydrogenated butadiene acrylonitrile is modified with a zinc salt of polymethacrylic acid.

5. (Previously Presented) Toothed belt according to claim 1, characterised in that said resistant layer comprises said fluorinated plastomer in a quantity in weight of between 101 and 150 parts in weight with respect to said elastomeric material.

6. (Previously Presented) Toothed belt according to claim 1, characterised in that said fluorinated plastomer is polytetrafluoroethylene.

7. (Previously Presented) Toothed belt according to any of the preceding claim 1, characterised in that the back of said belt is coated by a second fabric.

8. (Previously Presented) Toothed belt according to claim 1, characterised in that said second fabric is coated on the outside by a second resistant layer.

9. (Previously Presented) Toothed belt according to claim 1, characterised in that said second resistant layer is equal to said first resistant layer.

10. (Previously Presented) Toothed belt according to claim 1, characterised in that said elastomeric material comprises fibres.

11. (Original) Toothed belt according to claim 10, characterised in that said fibres are present in a quantity in weight of between 0.5 and 15% with respect to said elastomeric material.

12. (Previously Presented) Toothed belt according to claim 1, characterised in that it comprises resistant inserts chosen from the group consisting of aramidic fibres, PBO and carbon fibres.

13. (Original) Toothed belt according to claim 12, characterised in that said resistant inserts have been treated with an RFL comprising an oil-resistant latex.

14. (Original) Toothed belt according to claim 13, characterised in that said latex comprises an elastomeric material formed of a copolymer obtained from a dienic monomer and a monomer containing nitrile groups.

15. (Previously Presented) Toothed belt according to claim 1, characterised in that it comprises between the teeth and said back sides treated with a polymer resistant to expansion.

16. (Currently Amended) Timing control system for a motor vehicle comprising at least one drive pulley, one driven pulley [[and]] [[one]] a toothed belt for maintaining use in oil-wet condition, said toothed belt for use in contact with oil and comprising a body and a number of teeth extending from at least one surface of said body; said teeth being coated by a fabric, said fabric being externally coated by a resistant layer, in which:

said resistant layer comprises a fluorinated plastomer, a first elastomeric material and a vulcanisation agent;

said fluorinated plastomer is present in said resistant layer in a larger quantity than said first elastomeric material;

said body comprises a compound based on a second elastomeric material formed of a copolymer obtained from a dienic monomer and a monomer containing nitrile groups;

said nitrile groups are in percentage between 33% and 49% in weight with respect to the weight of said copolymer.

17. (Original) Control system according to claim 16, characterised in that said nitrile groups are in percentage 39% in weight.

18. (Previously Presented) Control system according to claim 16, characterised in that said second elastomeric material comprises hydrogenated butadiene acrylonitrile.

19. (Original) Control system according to claim 18, characterised in that said hydrogenated butadiene acrylonitrile is modified with a zinc salt of polymethacrylic acid.

20. (Previously Presented) Control system according claim 16, characterised in that said resistant layer comprises said fluorinated plastomer in a quantity in weight of between 101 and 150 parts in weight with respect to said elastomeric material.

21. (Previously Presented) Control system according to claim 16, characterised in that said fluorinated plastomer is polytetrafluoroethylene.

22. (Previously Presented) Control system according to claim 16, characterised in that the back of said belt is coated by a second fabric.

23. (Previously Presented) Control system according to claim 22, characterised in that said second fabric is externally coated by a second resistant layer.

24. (Original) Control system according to claim 23, characterised in that said second resistant layer is equal to said first resistant layer.

25. (Previously Presented) Control system according to claim 16, characterised in that said elastomeric material comprises fibres.

26. (Original) Control system according to claim 25, characterised in that said fibres are present in a quantity in weight of between 0.5 and 15% with respect to said elastomeric material.

27. (Previously Presented) Control system according to claim 16, characterised in that it comprises resistant inserts chosen from the group consisting of aramidic fibres, PBO and carbon fibres.

28. (Original) Control system according to claim 27, characterised in that said resistant inserts have been treated with an RFL comprising an oil-resistant latex.

29. (Original) Control system according to claim 28, characterised in that said latex comprises an elastomeric material formed of a copolymer obtained from a dienic monomer and a monomer containing nitrile groups.

30. (Previously Presented) Control system according to claim 16, characterised in that it comprises, between the teeth and said back, sides treated with a polymer resistant to expansion.

31. (Previously Presented) Control system according to claim 16, characterised in that it comprises a sliding block tightener or a sliding block.

32. (New) An oil-resistant toothed belt comprising a body and a number of teeth extending from at least one first surface of said body; said teeth being coated by a first fabric, said fabric being externally coated with a resistant layer, in which:

said resistant layer comprises a fluorinated plastomer, a first elastomeric material and a vulcanisation agent;

said fluorinated plastomer is present in said resistant layer in a larger quantity than said first elastomeric material;

said body comprises a compound based on a second elastomeric material formed of a copolymer obtained from a dienic monomer and a monomer containing nitrile groups;

said nitrile groups are in percentage between 33% and 49% in weight with respect to the weight of said copolymer.

33. (New) The toothed belt of claim 32, characterized in that it maintains its resistance to oil for the course of its lifetime when used in direct contact with oil or partially immersed in oil.

34. (New) The toothed belt of claim 32, characterized in that said toothed belt is suitable to pass motor vehicle duration tests.

35. (New) The toothed belt of claim 34, characterized in that said toothed belt is suitable to resist at least 80,000,000 cycles in motor vehicle duration tests.

36. (New) A toothed belt comprising:
a body;

a number of teeth extending from at least one first surface of said body, said teeth being coated by a first fabric;

said fabric being externally coated with a treatment composition comprising a fluorinated plastomer;

wherein the toothed belt is adapted to operate in direct contact with oil or partially immersed in oil.